

Amendments to the Claims:

Please cancel claims 1-34, 49-55 and 63-66. Please amend claims 35, 38, 41, 45, 56 and 59. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-34 (canceled)

→ Claim 35 (currently amended) A console that can be coupled to a handpiece that has a reciprocating tip that can be inserted through a tissue of a patient, comprising:
a control circuit that can be coupled to the ~~tip~~console and generates packets of pulses to reciprocate the tip, each packet being separated by a pause period of no pulses so that the tip does not generate heat that denatures the tissue.

Claim 36 (previously presented) The console of claim 35, wherein each packet has a time duration between 0.5-5.0 milliseconds.

Claim 37 (previously presented) The console of claim 36, wherein each pause period has a time duration between 3.5-50 milliseconds.

Claim 38 (currently amended) A medical system, comprising:
a handpiece that has a tip that can be inserted through a tissue of a patient; and,
a control circuit that is coupled to said handpiece and generates packets of pulses to reciprocate said tip, each packet being separated by a pause period of no pulses so that said tip does not generate heat that denatures the tissue.

Claim 39 (previously presented) The system of claim 38, wherein each packet has a time duration between 0.5-5.0 milliseconds.

Claim 40 (previously presented) The system of claim 39, wherein each pause period has a time duration between 3.5-50 milliseconds.

Claim 41 (currently amended) A console that can be coupled to a handpiece that has a reciprocating tip that can be inserted through a cornea of a patient, comprising:

a control circuit that be coupled to the ~~tip~~console and generates packets of pulses to reciprocate the tip, each packet being separated by a pause period of no pulses so that the tip does not generate heat that denatures the cornea.

Claim 42 (previously presented) The console of claim 41, wherein each packet has a time duration between 0.5-5.0 milliseconds.

Claim 43 (previously presented) The console of claim 42, wherein each pause period has a time duration between 3.5-50 milliseconds.

Claim 44 (previously presented) The console of claim 41, wherein the temperature does not exceed 45 degrees centigrade.

Claim 45 (currently amended) A medical system, comprising:
a handpiece that has a tip that can be inserted through a cornea of a patient; and,
a control circuit that is coupled to said handpiece and generates packets of pulses to reciprocate said tip, each packet being separated by a pause period of no pulses so that said tip does not generate heat that denatures the cornea.

Claim 46 (previously presented) The system of claim 45, wherein each packet has a time duration between 0.5-5.0 milliseconds.

Claim 47 (previously presented) The system of claim 46, wherein each pause period has a time duration between 3.5-50 milliseconds.

Claim 48 (previously presented) The system of claim 45, wherein the temperature does not exceed 45 degrees centigrade.

Claims 49-55 (canceled)

Claim 56 (currently amended) A medical system, comprising:
a cutting element that can be placed in contact with a tissue of a patient;
a transducer coupled to said cutting element; and,

a control circuit that is coupled to said transducer and generates packets of pulses to reciprocate said cutting element, each packet being separated by a pause period of no pulses so that said tip does not generate heat that denatures the tissue.

Claim 57 (previously presented) The system of claim 56, wherein each packet has a time duration between 0.5-5.0 milliseconds.

Claim 58 (previously presented) The system of claim 57, wherein each pause period has a time duration between 3.5-50 milliseconds.

Claim 59 (currently amended) A medical system, comprising:
a cutting element that can be placed in contact with a cornea of a patient;
a transducer coupled to said cutting element; and,
a control circuit that is coupled to said transducer and generates packets of pulses to reciprocate said cutting element, each packet being separated by a pause period of no pulses so that said tip does not generate heat that denatures the cornea.

Claim 60 (previously presented) The system of claim 59, wherein each packet has a time duration between 0.5-5.0 milliseconds.

Claim 61 (previously presented) The system of claim 60, wherein each pause period has a time duration between 3.5-50 milliseconds.

Claim 62 (previously presented) The system of claim 59, wherein the temperature does not exceed 45 degrees centigrade.

Claims 63-66 (canceled)